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Where ideas connect

Department of Environmental Quality
Division of Solid and Hazardous Waste

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m/041/008

July 10, 2003

RECEIVED

JUL 11 2003

DIV. OF OIL, GAS & MINING

Bruce A. Cason
Plant Manager
U.S. Gypsum
P.O. Box 570160
Sigurd, Utah 84657

Subject: Landfill Inspection - Plant Waste/Recycle Pile Status

Dear Mr. Cason:

On May 20, 2003, Mr. Jeff Emmons of our agency and Mr. John Vercoe with the Central Utah Public Health Department conducted an inspection of the U.S. Gypsum Jumbo Landfill. Mr. Kyle Morris, Quarry/Mill Manager, accompanied them on the inspection. The purpose of the inspection was to determine compliance with the *Utah Solid Waste Permitting and Management Rules* (Rules) and conditions of the landfill permit. In addition, the status of the gypsum waste/recycling pile next to the plant was reviewed. Enclosed is a copy of the inspection report and the current rules.

The landfill appeared to be well operated, maintained, and in compliance with the rules and the landfill permit. An examination of the landfill records was conducted at the plant office. All the required documentation and records were present, well organized, and readily available.

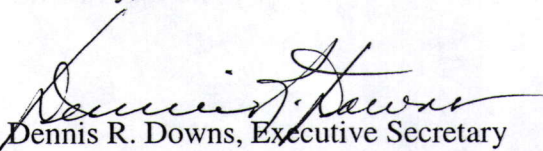
Following the inspection of the landfill, a tour was conducted of the plant waste/recycle pile, located adjacent to the plant. To ensure protection of human health and the environment, some of the management practices regarding the pile are regulated by the rules. The specific rules, which apply to the pile, depend upon how the pile is managed. For example, if the pile of material is intended for recycling, Section R315-312 of the Rules may apply. If the pile is being managed as a disposal site, the site must comply with the Class IIIB industrial landfill rule requirements and a disposal permit is required. If the site is used as temporary storage prior to disposal at another location, Section R315-314 of the Rules may apply.

U.S. Gypsum must define the management objective for the material pile and submit a detailed management plan, to the Executive Secretary of the Utah Solid & Hazardous Waste Control Board by December 31, 2003. Application of the appropriate rules will be based on the review of the management plan.

Please feel free to contact Jeff Emmons at 801-538-6748 to discuss the details of the Rule requirements, and the preparation of the required documents.

In summary, the Division appreciates the effort required to operate the Jumbo Landfill within the requirements of the rules and the Permit. We look forward to working with U.S. Gypsum in the development of the management plan for the plant waste/recycle pile.

Sincerely,



Dennis R. Downs, Executive Secretary
Utah Solid and Hazardous Waste Control Board

DRD/je/kk

Enclosures

c: Robert Resendes, Director, Central Utah Public Health Dept.
Roger Foisy, DEQ Central Utah District Engineer
Lynn Kunzler, DOGM
Kyle Morris, U.S. Gypsum Company
Frank May, U.S. Gypsum Company

SOLID WASTE FACILITY INSPECTION REPORT

UTAH DIVISION OF SOLID & HAZARDOUS WASTE

Facility Name United States Gypsum Company County Sevier
Location Sigurd Utah Plant- Approximately 3 miles north east of plant on quarry road.
Inspection Date 5-20-03 Began/Ended 9:00 am- 11:30 am Operating Hours _____
REASON FOR INSPECTION
Routine ☒ Follow up ☐ Complaint ☐ Closure/Post Closure ☐ Other _____
Weather Conditions Clear sky, calm winds Area(s) Inspected Jumbo landfill and plant waste/recycle pile
Facility Representative(s) Accompanying the Inspection Kyle Morris- Quarry / Mill Manager
Div. of Solid & Hazardous Waste / Local Health Dept. Inspector(s) Jeff Emmons- DSHW, John Vercoe- Central Utah Public Health Dept.
FOLLOW UP INSPECTION NEEDED Yes ☐ No ☒ Recommended Follow Up Period _____

(X - indicates items reviewed - Comments on next page/s)

1. FACILITY / OPERATIONAL CONTROLS

- | | |
|---|--|
| <input checked="" type="checkbox"/> Litter | <input checked="" type="checkbox"/> Roads Maintained |
| <input type="checkbox"/> Weighing Loads | <input checked="" type="checkbox"/> Vectors |
| <input type="checkbox"/> Communications | <input type="checkbox"/> Recycling Provided to Public |
| <input type="checkbox"/> Fugitive Dust | <input checked="" type="checkbox"/> Access Controlled |
| <input type="checkbox"/> Tipping / Insp. Area | <input checked="" type="checkbox"/> Scavenging Control |
| <input checked="" type="checkbox"/> No Open Burning | <input checked="" type="checkbox"/> Fences, gates, locks |
| <input checked="" type="checkbox"/> Minimize Working Face | |
| <input type="checkbox"/> | |

2. SIGNS REQUIRED / PROPERLY POSTED

- | | |
|---|--|
| <input type="checkbox"/> Operating Days / Hrs. | <input type="checkbox"/> Other Info as Required |
| <input type="checkbox"/> Fires Prohibited | <input type="checkbox"/> Directions & Procedures |
| <input type="checkbox"/> Emergency Numbers | <input type="checkbox"/> Scavenging Prohibited |
| <input type="checkbox"/> List of Unacceptable Materials | |
| <input type="checkbox"/> | |

3. OPERATOR / REPRESENTATIVE / EMPLOYEES

- | | |
|--|--|
| <input checked="" type="checkbox"/> On-site while open | <input type="checkbox"/> Employees Trained |
| <input type="checkbox"/> | |

4. MONITORING

- | | |
|---|--|
| <input type="checkbox"/> Methane | <input checked="" type="checkbox"/> Random Inspections |
| <input type="checkbox"/> Leachate | <input type="checkbox"/> Proper Equip / Test Used |
| <input type="checkbox"/> Ground Water | <input type="checkbox"/> Unauthorized Waste Analyzed |
| <input type="checkbox"/> Frequency Maintained | <input type="checkbox"/> |

5. DRAINAGE / EROSION

- | | |
|--|--|
| <input checked="" type="checkbox"/> Water Run-on | <input type="checkbox"/> Water Run-off |
| <input type="checkbox"/> | |

6. PROPER STORAGE / ISOLATION / DISPOSAL

- | | |
|--|---|
| <input type="checkbox"/> Special Waste | <input type="checkbox"/> Batteries |
| <input type="checkbox"/> Hazardous Waste | <input type="checkbox"/> Infectious Waste |
| <input type="checkbox"/> Tires | <input type="checkbox"/> Dead Animals |
| <input type="checkbox"/> Asbestos | <input type="checkbox"/> Bulky Waste |
| <input type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Ash |
| <input type="checkbox"/> Petroleum Waste | <input type="checkbox"/> Sludge |
| <input type="checkbox"/> | |

7. COVER

- | | |
|---|--|
| <input type="checkbox"/> Daily Applied | <input type="checkbox"/> Intermediate Applied |
| <input type="checkbox"/> Final cover | <input type="checkbox"/> Stabilized Vegetation |
| <input checked="" type="checkbox"/> Cover as needed | |

8. PLANS / PROGRAMS ON FILE

- | | |
|--|---|
| <input type="checkbox"/> Contingency | <input type="checkbox"/> Operating / Maintenance |
| <input type="checkbox"/> Inspection | <input type="checkbox"/> Removal-Stored Waste |
| <input type="checkbox"/> Facility Site Plan | <input type="checkbox"/> Leachate Control |
| <input type="checkbox"/> Closure / Post Closure | <input type="checkbox"/> Deviation from Plans |
| <input type="checkbox"/> Methane Monitoring | <input type="checkbox"/> Training Programs |
| <input type="checkbox"/> Groundwater Monitor | <input type="checkbox"/> Disposal Management |
| <input type="checkbox"/> Disease Vectors / Rodent Control | <input type="checkbox"/> Fire Protection & Prevention |
| <input checked="" type="checkbox"/> Permit & Plan of Operation | |

RECORDS / REPORTS / RESULTS MAINTAINED

9. INSPECTION RECORDS

- | | |
|--|--|
| <input type="checkbox"/> Random Inspect. Rept | <input type="checkbox"/> Gas Monitoring System |
| <input type="checkbox"/> Surface Drainage Control | <input type="checkbox"/> Daily Records Kept |
| <input type="checkbox"/> Leachate Collection System | <input type="checkbox"/> Weight or Volumes |
| <input type="checkbox"/> Intermediate Cover | <input type="checkbox"/> Types of Waste Received |
| <input type="checkbox"/> Final Cover | <input type="checkbox"/> Number of Vehicles |
| <input type="checkbox"/> Self Inspection (Quarterly) Reports | |
| <input checked="" type="checkbox"/> Records inspection. | |

10. MONITORING / SAMPLING / ANALYSIS RECORDS

- | | |
|---|--|
| <input type="checkbox"/> Unauthorized Waste Analyzed | <input type="checkbox"/> Methane Taken Quarterly |
| <input type="checkbox"/> Contaminated Waste / Soil Analyzed | <input type="checkbox"/> Leachate Sampling & Treatment |
| <input type="checkbox"/> Ground Water Sampling Results | |
| <input type="checkbox"/> | |

11. SPECIAL WASTE RECORDS

- | | |
|--|--|
| <input type="checkbox"/> Lab Analysis Results | <input type="checkbox"/> Manifests |
| <input type="checkbox"/> Treatment Certification | <input type="checkbox"/> Paint Filter Test Results |
| <input type="checkbox"/> Remediation Documentation | |
| <input type="checkbox"/> | |

12. SPECIAL PERMIT REQUIREMENTS

- | | |
|--------------------------|--|
| <input type="checkbox"/> | |
| <input type="checkbox"/> | |
| <input type="checkbox"/> | |

13. OTHER ITEMS

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Digital Photographs #1237 thru 1246 are enclosed. |
| <input checked="" type="checkbox"/> | Permit wording |
| <input type="checkbox"/> | |
| <input type="checkbox"/> | |
| <input type="checkbox"/> | |

SOLID WASTE FACILITY INSPECTION REPORT

Date: 5/20/2003

Facility Name: United States Gypsum Company

No.	Item	Detail
1	Litter	The waste disposed at the landfill consist of off spec. wall board, wall board pieces, and wall board paper. Waste stream is not prone to creating litter. Landfill site was clean of litter. No waste was observed outside landfill boundaries.
1	Open Burning	Waste is unlikely to cause a fire threat. No evidence of any burning onsite.
1	Minimized Working Face	Management of working face was discussed onsite. Operation is conducted to minimize the working face.
1	Roads Maintained	The quarry haul road and onsite road is in good shape.
1	Vectors	Waste stream will limit production of vectors. Waste is dry, is not a food source, and cover frequency prevents harborage for vectors.
1	Access Control	Gate is locked except when quarry is operating. Haul road traffic monitors landfill to ensure unauthorized entry is prohibited. Access is controlled by gate fencing and natural topography.
1	Scavenging Control	Access to site is limited to US Gypsum personnel. Scavenging is prohibited.
1	Gate and Fencing	Landfill gate is operational and is locked and unlocked at the beginning and end of day shift. Fencing is in good shape.
3	Onsite Employee	Landfill accepts only waste from the US Gypsum plant waste and is delivered by plant personnel.
4	Random Inspection	Permit requires general inspection of each load and any suspicious loads will be inspected.
5	Water Runon	Run on control consist of berms and ditches and appear to be effective.
7	Cover	Permit requires the waste to be covered at least every six months with a minimum of 3 inches of shale or earthen material. Site has received required covered.
8	Permit & Plan of Operation	The landfill permit and application are maintain at plant office, are readily accessible, and well maintained..
9	Records Inspection	Landfill inspection included review of all records keeping requirements included in the permit. All recordkeeping requirements are being met.
13	Digital Photos	Digital photographs taken during the inspection are included.
13	Permit Wording	An error was made with the January 16, 2003 mailing to US Gypsum of the approved permit. The inspection revealed that the draft permit was mailed instead of the final permit. Enclosed in the final permit.

Division of S&HW Inspector Name:

Jeff Emmons

Date: 6/9/03



Photo #1237- US Gypsum Jumbo Landfill taken at 9:02 am 5-20-03
Photo looking west.



Photo #1238- US Gypsum Landfill taken at 9:03 am 5-20-03
Photo shows working face with cover soil applied



Photo # 1239 US Gypsum Jumbo Landfill taken at 9:06am 5-20-03
Close up of waste.



Photo #1240- US Gypsum Jumbo Landfill taken at 9:06am 5-20-03
Close up of waste

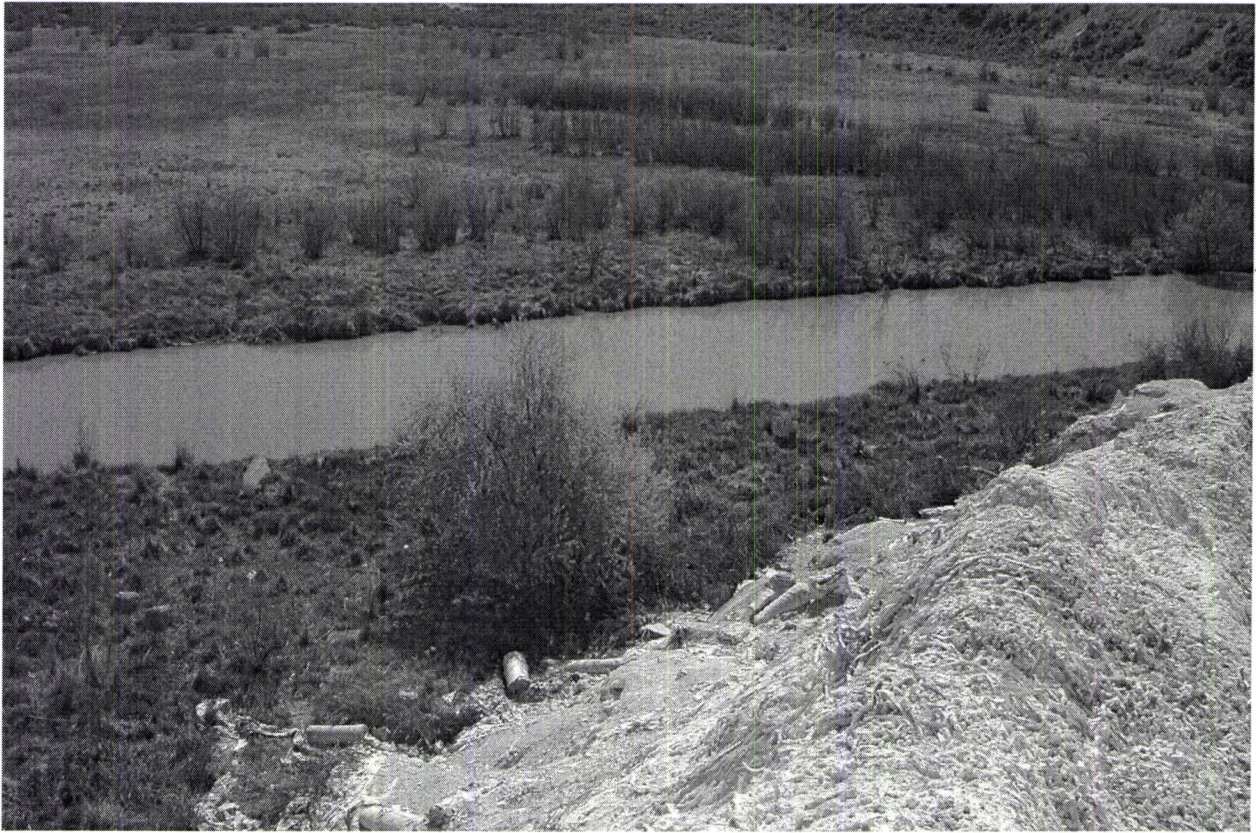


Photo #1241- US Gypsum Plant Waste / Recycling Pile taken at 9:25 am 5-20-03
Photo taken from top of pile looking east to Sevier River.



Photo # 1242- US Gypsum Plant Waste / Recycle Pile taken 9:26 am 5-20-03.
Photo taken on top of pile looking south



Photo # 1243- US Gypsum Plant Waste / Recycle Pile taken 9:26 am 5-20-03.
Photo taken of haul road near the top of pile.



Photo #1244- US Gypsum Plant Waste / Recycle Pile taken 9:31am 5-20-03.
Photo taken of material on top of pile. Looking South- Note Georgia Pacific plant in background.



Photo # 1245- US Gypsum Plant Waste / Recycle Pile taken at 9:33am 5-20-03.
Photo taken from top of pile looking north.



Photo # 1246- US Gypsum Plant Waste / Recycle Pile taken at 9:33am 5-20-03.
Photo taken from top of pile looking south toward US Gypsum Plant.